

SEQUENCE LISTING

<110> Carlsberg Research Center

<120> AFFINITY FISHING FOR LIGANDS AND PROTEIN RECEPTORS

<130> P 782 PC00

<160> 52

<170> PatentIn version 3.1

<210> 1

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Peptide Spacer

<400> 1

Gly Pro Pro Phe Pro Phe
1 5

<210> 2

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Peptide Spacer

<400> 2

Ala Pro Arg Pro Pro Arg Ala
1 5

<210> 3

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Binding ligand from peptide library

<220>

<221> MISC_FEATURE

<222> (1)..(1)

<223> Xaa is Pip

<220>

<221> MISC_FEATURE

<222> (2)..(3)

<223> Xaa is Pal

<220>
<221> MISC_FEATURE
<222> (5)..(5)
<223> Xaa is Pya

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa is Pip

<400> 3

Xaa Xaa Xaa Phe Xaa Xaa
1 5

<210> 4
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Binding ligand from peptide library

<220>
<221> MISC_FEATURE
<222> (1)..(1)
<223> Xaa is Pya

<220>
<221> MISC_FEATURE
<222> (2)..(3)
<223> Xaa is Hyp

<220>
<221> MISC_FEATURE
<222> (5)..(5)
<223> Xaa is Acn

<400> 4

Xaa Xaa Xaa Phe Xaa Tyr
1 5

<210> 5
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Binding ligand from peptide library

<220>
<221> MISC_FEATURE
<222> (1)..(1)
<223> Xaa is Pya

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa is Gua

<220>
<221> MISC_FEATURE
<222> (3)..(3)
<223> Xaa is Pip

<220>
<221> MISC_FEATURE
<222> (4)..(4)
<223> Xaa is Acc

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa is Pip

<400> 5

Xaa Xaa Xaa Xaa Phe Xaa
1 5

<210> 6
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Binding ligand from peptide library

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa is Aze

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa is Aze

<400> 6

Phe Xaa Gly His Gly Xaa

1

5

<210> 7
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Binding ligand from peptide library

<220>
<221> MISC_FEATURE
<222> (3)..(3)
<223> Xaa is Pya

<220>
<221> MISC_FEATURE
<222> (4)..(4)
<223> Xaa is Pip

<400> 7

Phe Thr Xaa Xaa Asp His
1 5

<210> 8
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Binding ligand from peptide library

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa is Ppy

<220>
<221> MISC_FEATURE
<222> (3)..(3)
<223> Xaa is Acc

<220>
<221> MISC_FEATURE
<222> (5)..(5)
<223> Xaa is Ppy

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa is Hpy

<400> 8

Phe Xaa Xaa Ala Xaa Xaa
1 5

<210> 9

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Binding ligand from peptide library

<220>

<221> MISC_FEATURE

<222> (2)..(2)

<223> Xaa is Abi

<220>

<221> MISC_FEATURE

<222> (3)..(3)

<223> Xaa is Pal

<220>

<221> MISC_FEATURE

<222> (4)..(4)

<223> Xaa is Hyp

<220>

<221> MISC_FEATURE

<222> (6)..(6)

<223> Xaa is Hyp

<400> 9

Phe Xaa Xaa Xaa Thr Xaa
1 5

<210> 10

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Binding ligand from peptide library

<220>

<221> MISC_FEATURE

<222> (2)..(2)

<223> Xaa is Gua

<220>
<221> MISC_FEATURE
<222> (3)..(3)
<223> Xaa is Pal

<220>
<221> MISC_FEATURE
<222> (5)..(5)
<223> Xaa is Gua

<400> 10

Phe Xaa Xaa Tyr Xaa Tyr
1 5

<210> 11
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Peptide

<220>
<221> MISC_FEATURE
<222> (1)..(1)
<223> Xaa is Pal

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa is Abi

<220>
<221> MISC_FEATURE
<222> (5)..(5)
<223> Xaa is Abi

<400> 11

Xaa Xaa Gly Gly Xaa His
1 5

<210> 12
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Binding ligand from peptide library

<220>
<221> MISC_FEATURE
<222> (1)..(1)
<223> Xaa is Abi

<220>
<221> MISC_FEATURE
<222> (3)..(4)
<223> Xaa is Hyp

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa is unknown

<400> 12.

Xaa Thr Xaa Xaa His Xaa
1 5

<210> 13
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Binding ligand from peptide library

<220>
<221> MISC_FEATURE
<222> (1)..(1)
<223> Xaa is Pya

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa is Gua

<220>
<221> MISC_FEATURE
<222> (3)..(3)
<223> Xaa is Abi

<220>
<221> MISC_FEATURE
<222> (5)..(5)
<223> Xaa is Abr

<400> 13

Xaa Xaa Xaa Asp Xaa Tyr

1

5

<210> 14
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Binding ligand from peptide library

<220>
<221> MISC_FEATURE
<222> (1)..(1)
<223> Xaa is Abi

<220>
<221> MISC_FEATURE
<222> (3)..(3)
<223> Xaa is Abi

<220>
<221> MISC_FEATURE
<222> (5)..(5)
<223> Xaa is Che

<400> 14

Xaa Phe Xaa Phe Xaa Tyr
1 5

<210> 15
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Binding ligand from peptide library

<220>
<221> MISC_FEATURE
<222> (1)..(1)
<223> Xaa is T(Sa)

<400> 15

Xaa Phe Asn His Ser
1 5

<210> 16
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Binding ligand from peptide library

<220>
<221> MISC_FEATURE
<222> (1)..(1)
<223> Xaa is T(Sa)

<400> 16

Xaa Phe Ala Leu Val
1 5

<210> 17
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Binding ligand from peptide library

<220>
<221> MISC_FEATURE
<222> (1)..(1)
<223> Xaa is T(Sa)

<400> 17

Xaa Phe Gly Ile Trp
1 5

<210> 18
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Binding ligand from peptide library

<220>
<221> MISC_FEATURE
<222> (1)..(1)
<223> Xaa is T(Sa)

<400> 18

Xaa Phe Gly Ile Met
1 5

<210> 19
<211> 5
<212> PRT

<213> Artificial Sequence

<220>

<223> Binding ligand from peptide library

<220>

<221> MISC_FEATURE

<222> (1)..(1)

<223> Xaa is T(Sa)

<400> 19

Xaa Gly Val Phe Leu .

1 5

<210> 20

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> Binding ligand from peptide library

<220>

<221> MISC_FEATURE

<222> (1)..(1)

<223> Xaa is T(Sa)

<400> 20

Xaa Tyr Ser Met Pro

1 5

<210> 21

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> Binding ligand from peptide library

<220>

<221> MISC_FEATURE

<222> (1)..(1)

<223> Xaa is T(Sa)

<400> 21

Xaa Leu Ser Trp Trp

1 5

<210> 22

<211> 5

<212> PRT
<213> Artificial Sequence

<220>
<223> Binding ligand from peptide library

<220>
<221> MISC_FEATURE
<222> (1)..(1)
<223> Xaa is T(Sa)

<400> 22

Xaa His Trp His Ile
1 5

<210> 23
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Binding ligand from peptide library

<220>
<221> MISC_FEATURE
<222> (1)..(1)
<223> Xaa is T(Sa)

<400> 23

Xaa His Trp Val Val
1 5

<210> 24
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Binding ligand from peptide library

<220>
<221> MISC_FEATURE
<222> (1)..(1)
<223> Xaa is T(Sa)

<400> 24

Xaa His Leu Gly Tyr
1 5

<210> 25

<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Binding ligand from peptide library

<220>
<221> MISC_FEATURE
<222> (1)..(1)
<223> Xaa is T(Sa)

<400> 25

Xaa Ile Tyr Leu Phe
1 5

<210> 26
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Binding ligand from peptide library

<220>
<221> MISC_FEATURE
<222> (1)..(1)
<223> Xaa is T(Sa)

<400> 26

Xaa Phe Gly Leu Met
1 5

<210> 27
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Binding ligand from peptide library

<220>
<221> MISC_FEATURE
<222> (1)..(1)
<223> Xaa is T(Sa)

<400> 27

Xaa Trp Val Asn Met
1 5

<210> 28
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Binding ligand from peptide library

<220>
<221> MISC_FEATURE
<222> (1)..(1)
<223> Xaa is T(Sa)

<400> 28

Xaa Met Val Asn Trp
1 5

<210> 29
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Binding ligand from peptide library

<220>
<221> MISC_FEATURE
<222> (1)..(1)
<223> Xaa is T(Sa)

<400> 29

Xaa His Ile Gly Tyr
1 5

<210> 30
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Binding ligand from peptide library

<220>
<221> MISC_FEATURE
<222> (1)..(1)
<223> Xaa is T(Sa)

<400> 30

Xaa Leu Tyr Leu Phe
1 5

<210> 31
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Binding ligand from peptide library

<220>
<221> MISC_FEATURE
<222> (1)..(1)
<223> Xaa is T(Sa)

<400> 31

Xaa His Trp His Leu
1 5

<210> 32
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Binding ligand from peptide library

<220>
<221> MISC_FEATURE
<222> (1)..(1)
<223> Xaa is T(Sa)

<400> 32

Xaa Phe Val Trp His
1 5

<210> 33
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Binding ligand from peptide library

<220>
<221> MISC_FEATURE
<222> (1)..(1)
<223> Xaa is T(Sa)

<400> 33

Xaa Leu Tyr Ile Phe
1 5

<210> 34
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Binding ligand from peptide library

<220>
<221> MISC_FEATURE
<222> (1)..(1)
<223> Xaa is ManS

<220>
<221> MISC_FEATURE
<222> (3)..(3)
<223> Xaa is ManS

<400> 34

Xaa Gly Xaa Asp Asn Ala
1 5

<210> 35
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Binding ligand from peptide library

<220>
<221> MISC_FEATURE
<222> (1)..(1)
<223> Xaa is ManS

<220>
<221> MISC_FEATURE
<222> (3)..(3)
<223> Xaa is GlcNN

<220>
<221> MISC_FEATURE
<222> (5)..(5)
<223> Xaa is ManS

<400> 35

Xaa Gly Xaa Asn Xaa Tyr
1 5

<210> 36
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Binding ligand from peptide library

<220>
<221> MISC_FEATURE
<222> (1)..(1)
<223> Xaa is ManN

<400> 36

Xaa Phe Trp Ser Lys His
1 5

<210> 37
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Binding ligand from peptide library

<220>
<221> MISC_FEATURE
<222> (1)..(1)
<223> Xaa is GlcNN

<400> 37

Xaa Trp Phe Asp Trp Pro
1 5

<210> 38
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Binding ligand from peptide library

<220>
<221> MISC_FEATURE
<222> (1)..(1)
<223> Xaa is GlcNN

<220>
<221> MISC_FEATURE
<222> (3)..(3)
<223> Xaa is GlcNN

<220>
<221> MISC_FEATURE
<222> (5)..(5)
<223> Xaa is ManS

<400> 38

Xaa Val Xaa His Xaa Gly
1 5

<210> 39
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Binding ligand from peptide library

<220>
<221> MISC_FEATURE
<222> (1)..(1)
<223> Xaa is ManN

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa is ManS

<220>
<221> MISC_FEATURE
<222> (3)..(3)
<223> Xaa is ManN

<400> 39

Xaa Xaa Xaa Trp Ser Trp
1 5

<210> 40
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Binding ligand from peptide library

<400> 40

Gly Pro Lys Lys Tyr His
1 5

<210> 41
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Binding ligand from peptide library

<400> 41

His Thr Trp Gly Tyr Trp
1 5

<210> 44
<211> 6
<212> PRT
<213> Artificial

<220>
<221> MISC_FEATURE
<223> Binding ligand

<400> 44

Gly Pro Lys Lys Tyr His
1 5

<210> 45
<211> 6
<212> PRT
<213> Artificial

<220>
<221> MISC_FEATURE
<223> Binding ligand

<400> 45

His Thr Trp Gly Tyr Trp
1 5

<210> 46
<211> 6
<212> PRT
<213> Artificial

<220>
<221> MISC_FEATURE
<223> Binding ligand

<400> 46

<210> 41
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Binding ligand from peptide library

<400> 41

His Thr Trp Gly Tyr Trp
1 5

<210> 44
<211> 6
<212> PRT
<213> Artificial

<220>
<221> MISC_FEATURE
<223> Binding ligand

<400> 44

Gly Pro Lys Lys Tyr His
1 5

<210> 45
<211> 6
<212> PRT
<213> Artificial

<220>
<221> MISC_FEATURE
<223> Binding ligand

<400> 45

His Thr Trp Gly Tyr Trp
1 5

<210> 46
<211> 6
<212> PRT
<213> Artificial

<220>
<221> MISC_FEATURE
<223> Binding ligand

<400> 46

Phe Thr Tyr Phe Ala Lys
1 5

<210> 57
<211> 6
<212> PRT
<213> Artificial

<220>
<221> MISC_FEATURE
<223> Binding ligand

<220>
<221> MISC_FEATURE
<222> (3)..(3)
<223> Xaa is Hyp

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa is Gua

<400> 57

Lys Met Xaa Trp Tyr Xaa
1 5

<210> 58
<211> 6
<212> PRT
<213> Artificial

<220>
<221> MISC_FEATURE
<223> Binding ligand

<220>
<221> MISC_FEATURE
<222> (4)..(4)
<223> Xaa is Gua

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa is Gua

<400> 58

Phe Asp Trp Xaa Thr Xaa
1 5

<210> 59
<211> 5
<212> PRT
<213> Artificial

<220>
<221> MISC_FEATURE
<223> Binding ligand

<220>
<221> MISC_FEATURE
<222> (1)..(1)
<223> Xaa is T(Sa)

<400> 59

Xaa Tyr Gly Ala Met
1 5

<210> 60
<211> 5
<212> PRT
<213> Artificial

<220>
<221> MISC_FEATURE
<223> Binding ligand

<220>
<221> MISC_FEATURE
<222> (1)..(1)
<223> Xaa is T(Sa)

<400> 60

Xaa Ser Val Trp Phe
1 5

<210> 61
<211> 5
<212> PRT
<213> Artificial

<220>
<221> MISC_FEATURE
<223> Binding ligand

<220>
<221> MISC_FEATURE
<222> (1)..(1)

<223> Xaa is T(Sa)

<400> 61

Xaa His Tyr Phe Phe
1 5

<210> 62

<211> 5

<212> PRT

<213> Artificial

<220>

<221> MISC_FEATURE

<223> Binding ligand

<220>

<221> MISC_FEATURE

<222> (1)..(1)

<223> Xaa is T(Sa)

<400> 62

Xaa Ile Tyr Tyr Phe
1 5

<210> 63

<211> 5

<212> PRT

<213> Artificial

<220>

<221> MISC_FEATURE

<223> Binding ligand

<220>

<221> MISC_FEATURE

<222> (1)..(1)

<223> Xaa is T(Sa)

<400> 63

Xaa Gln Pro Gly Met
1 5

<210> 64

<211> 5

<212> PRT

<213> Artificial

<220>

<221> MISC_FEATURE
<223> Binding ligand

<220>
<221> MISC_FEATURE
<222> (1)..(1)
<223> Xaa is T(Sa)

<400> 64

Xaa Gly Pro His Gly
1 5

1

1